

ONS00478
10/729,292

Amendments to the Claims

Claims 1-26 (cancelled).

27. (new): A lateral FET structure comprising:

a body of semiconductor material having a first conductivity type and a major surface;

first and second drift regions of a second conductivity type formed in the body of semiconductor material, wherein the first and second drift regions are spaced apart and comprise elongated stripe shapes;

a first drain contact region formed in the first drift region;

a second drain contact region formed in the second drift region, wherein the first and second drain contacts comprise elongated striped shapes;

a first pair of source regions formed in the body of semiconductor material and on opposing sides of the first drift region;

a second pair of source regions formed in the body of semiconductor material and on opposing sides of the second drift region, wherein the first and second pairs of source regions comprise elongated stripe shapes, and wherein the first and second pairs of source regions are substantially parallel to the first and second drain contacts;

a gate structure formed adjacent the first second pairs of source regions and the first and second drift regions;

a first conductive layer formed overlying the body of semiconductor material and connecting the first and second pairs of source regions together;

a second conductive layer different than the first conductive layer formed overlying the body of semiconductor material and connecting the first and second drain contact

ONS00478
10/729,292

regions together; and

an insulating layer vertically separating the first and second conductive layers.

28. (new): The structure of claim 27 wherein the first and second conductive layers overlap.

29. (new): The structure of claim 27 wherein the first and second conductive layer do not overlap.

30. (new): The structure of claim 27 wherein the first and second pairs of source regions comprise elongated stripe regions having rounded tips at opposing ends.

31. (new): The structure of claim 27 wherein the second conductive layer overlies where one of the first and second drift regions terminate at the major surface.

32. (new): The structure of claim 27 wherein the first and second pairs of source regions and the first and second drain contact regions have equal lengths.

33. (new): The structure of claim 27 further comprising a doped region of the first conductivity type formed in the body of semiconductor material completely surrounding the first and second drift regions.

34. (new): The structure of claim 33, wherein the first and second pairs of source regions are formed within the doped region.

35. (new): The structure of claim 27 further comprising a doped region of the first conductivity type formed in the first

ONS00478
10/729,292

drift region and spaced apart from first drain contact.